

AMENDMENTS TO THE CLAIMS

1. (Canceled).

2. (Currently Amended) An apparatus for reproducing recorded signal comprising~~The apparatus for reproducing recorded signal according to claim 1;~~ a head assembly including a plurality of reproducing heads for each track, said reproducing heads deviating from each other in a track width direction; a driving device for driving said head assembly in said track width direction; and a reproduction signal processor for detecting track identification information of a traced track according to a reproduction signal obtained by said plurality of reproducing heads for each of said reproducing heads, wherein said driving device drives said head assembly in said track width direction using said track identification information and said plurality of reproducing heads trace a target track, wherein said driving device wobbles said head assembly at a predetermined amplitude in said track width direction; wherein said reproduction signal processor generates envelope signals for the reproduction signals obtained by said plurality of reproducing heads; and wherein, after driving said head assembly in said track width direction using said track identification information, said driving device further drives said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.

3. (Currently Amended) An apparatus for reproducing recorded signal comprising~~The apparatus for reproducing recorded signal according to claim 1;~~ a head assembly including a plurality of reproducing heads for each track, said reproducing heads deviating from each other in a track width direction; a driving device for driving said head assembly in said track width direction; and a reproduction signal processor for detecting track identification information of a

traced track according to a reproduction signal obtained by said plurality of reproducing heads for each of said reproducing heads, wherein said driving device drives said head assembly in said track width direction using said track identification information and said plurality of reproducing heads trace a target track, wherein said driving device wobbles said head assembly at a predetermined amplitude in said track width direction; wherein said reproduction signal processor generates envelope signals for the reproduction signals obtained by said plurality of reproducing heads; and wherein, after obtaining a differential in said envelope signals and driving said head assembly in said track width direction using said track identification information, said driving device drives said head assembly in said track width direction to limit said differential to a predetermined range.

4. (Original) The apparatus for reproducing recorded signal according to claim 3, wherein after driving said head assembly in said track width direction to limit said differential to the predetermined range, said driving device further drives said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.

5. (Canceled).

6. (Currently Amended) A method for reproducing recorded signal wherein a head assembly includes a plurality of reproducing heads for a track, said reproducing heads deviating from each other in a track width direction, said method comprising the steps of: ~~The method for reproducing recorded signal according to claim 5, further comprising the steps of:~~ detecting track identification information of a traced track according to a reproduction signal obtained by said plurality of reproducing heads for each of said reproducing heads; and driving said head assembly in said track width direction using said track identification information for said plurality of reproducing heads to trace a target track; wobbling said head assembly at a predetermined amplitude in said track width direction; generating envelope signals for reproduction

signals obtained by said plurality of reproducing heads; and after driving said head assembly in said track width direction using said track identification information, further driving said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.

7. (Currently Amended) A method for reproducing recorded signal wherein a head assembly includes a plurality of reproducing heads for a track, said reproducing heads deviating from each other in a track width direction, said method comprising the steps of~~The method for reproducing recorded signal according to claim 5, further comprising the steps:~~ detecting track identification information of a traced track according to a reproduction signal obtained by said plurality of reproducing heads for each of said reproducing heads; and driving said head assembly in said track width direction using said track identification information for said plurality of reproducing heads to trace a target track; wobbling said head assembly at a predetermined amplitude in said track width direction; generating envelope signals for reproduction signals obtained by said plurality of reproducing heads; and after obtaining a differential in said envelope signals and driving said head assembly in said track width direction using said track identification information, further driving said head assembly in said track width direction to limit said differential to a predetermined range.

8. (Original) The method for reproducing recorded signal according to claim 7, further comprising the step of, after driving said head assembly in said track width direction to limit said differential to the predetermined range, further driving said head assembly in said track width direction to eliminate a wobbling error detected using said envelope signals.